AMENDMENTS TO THE CLAIMS

- 1. (Withdrawn) A stable lyophilized formulation obtainable by lyophilization of an oil-inwater emulsion comprising a bacterial component, an oil, a surfactant, and a stabilizer, as well as an amino acid or urea, which emulsion is characterized in that:
 - (a) the bacterial component is encapsulated in an oil droplet;
- (b) the oil droplets are dispersed with a single peak of particle diameter distribution in the aqueous solution; and
- (c) the particle diameter distribution of the oil droplets and turbidity in the aqueous solution are not largely changed before and after lyophilization.
- 2. (Withdrawn) The stable lyophilized formulation of claim 1, which is formed into an aqueous solution, of which the turbidity is changed by 50% or less compared to that of an aqueous solution before lyophilization.
- 3. (Withdrawn) The stable lyophilized formulation of claim 1 or 2, wherein the bacterial component is BCG-CWS, and the oil is squalane.
 - 4. (Cancelled)
- 5. (Withdrawn) The stable lyophilized formulation of claim 3, wherein the amino acid is glycine.
- 6. (Withdrawn) A process for preparation of a stable lyophilized formulation, which comprises lyophilizing an oil-in water emulsion comprising a bacterial component, an oil, a surfactant, and a stabilizer as well as an amino acid or urea, which emulsion is characterized in that:
 - (a) the bacterial component is encapsulated in an oil droplet;

- (b) the oil droplets are dispersed with a single peak of particle diameter distribution in the aqueous solution; and
- (c) the particle diameter distribution of the oil droplets and turbidity in the aqueous solution are not largely changed before and after lyophilization.
- 7. (Withdrawn) The process for preparation of a stable lyophilized formulation of claim 6, which formulation is formed into an aqueous solution, of which the turbidity is changed by 50% or less compared to that of an aqueous solution before lyophilization.
- 8. (Withdrawn) The process for preparation of a stable lyophilized formulation of claim 6 or 7, wherein the bacterial component is a BCG-CWS, and the oil is squalane.

9. (Cancelled)

- 10. (Withdrawn) The process for preparation of a stable lyophilized formulation of claim 6, wherein the amino acid is glycine.
- 11. (Withdrawn) A process for preparation of an oil-in-water emulsion wherein the emulsion is negative for agglutination reaction with lectin, and a bacterial component that is selected from a BCG-CWS and *Nocardia rubra*-CWS is encapsulated in oil, which comprises the following steps:
- (a) stirring a mixture of a bacterial component that is selected from a BCG-CWS and *Nocardia rubra*-CWS, an oil, and a dispersion-aiding solvent to disperse the bacterial component in the mixture;
- (b) evaporating off the dispersion-aiding solvent to form an oil wherein the bacterial component is homogeneously dispersed, or an oil droplet wherein the bacterial component is encapsulated in the oil; and then,
- (c) adding an aqueous solution containing a surfactant thereof, and emulsifying the mixture.

12. (Cancelled)

- 13. (Withdrawn) The process for preparation of an oil-in-water emulsion of claim 11, wherein the bacterial component is a BCG-CWS, and the oil is squalane.
- 14. (Withdrawn) The process for preparation of an oil-in-water emulsion of claim 11 or 13, wherein the dispersion-aiding solvent is ethanol or toluene.
- 15. (Withdrawn) The process for preparation of an oil-in-water emulsion of claim 11, wherein the oil droplet is dispersed in a manner that the diameter of the particle is about 100 μ m or less
- 16. (Withdrawn) A process for preparation of an oil-in-water emulsion, which comprises the following steps:
- (a) stirring a mixture of a bacterial component, an oil, and a dispersion-aiding solvent to disperse the bacterial component in the mixture;
 - (b) evaporating off the dispersion-aiding solvent; and then;
- (c) performing the following two-step emulsification process which comprises adding an aqueous solution containing a surfactant:
- i) adding an aqueous solution containing a surfactant at a low concentration to the evaporated material, and stirring gently the mixture, thereby performing rough emulsification;
- ii) optionally, adjusting the concentration of the surfactant in the roughly emulsified solution, and stirring vigorously the mixture, thereby performing adequate emulsification in order to provide a desired particle diameter distribution.
- 17. (Withdrawn) The process for preparation of an oil-in-water emulsion of claim 16, wherein an amount of the surfactant in the aqueous solution containing the surfactant at a low

concentration used in rough emulsification of the two-step emulsification process is 10% or less of the oil.

- 18. (Withdrawn) The process for preparation of an oil-in-water emulsion of claim 16 or 17, wherein the surfactant is Polysorbate 80 (Tween80).
- 19. (Withdrawn-previously amended) The process for preparation of an oil-in-water emulsion of claim 16 or 17, wherein the bacterial component is a BCG-CWS or a CWS of *Nocardia rubra*.
- 20. (Withdrawn) The process for preparation of an oil-in-water emulsion of claim 16, wherein the bacterial component is a BCG-CWS, and the oil is squalane.
- 21. (Previously Amended) An oil-in-water emulsion wherein the emulsion is dispersed without crude particles, negative for agglutination reaction with lectin, and a Bacillus Calmette-Guerin cell wall skeleton is encapsulated in an oil, and the particle diameter of an oil droplet is 100 µm or less, which emulsion is obtained by the following steps:
- (a) stirring a mixture of a Bacillus Calmette-Guerin cell wall skeleton, an oil, and an organic solvent to disperse the Bacillus Calmette-Guerin cell wall skeleton in the mixture;
- (b) evaporating off the organic solvent to form an oil wherein the Bacillus Calmette-Guerin cell wall skeleton is homogeneously dispersed, or an oil droplet wherein the Bacillus Calmette-Guerin cell wall skeleton is encapsulated in the oil; and then,
- (c) adding an aqueous solution containing a surfactant thereto, and emulsifying the mixture.
- 22. (Previously Presented) The oil-in-water emulsion of claim 21, wherein the organic solvent is ethanol or toluene.

- 23. (Previously Presented) The oil-in-water emulsion of claim 21 or 22, wherein the oil is squalane.
- 24. (Previously Presented) An oil or an oil droplet wherein a Bacillus Calmette-Guerin cell wall skeleton having an particle diameter of about 100 μm or less is homogeneously dispersed.
- 25. (Previously Presented) The oil droplet of claim 24, wherein the particle diameter is about 25 $\mu m.$
- 26. (Previously Presented) The oil-in-water emulsion of claim 21, wherein the organic solvent is selected from the group consisting of an aromatic hydrocarbon, an aliphatic hydrocarbon, a halogenated hydrocarbon, a lower alcohol, an acetate, an ether and a ketone.
- 27. (New) An oil-in-water emulsion wherein the emulsion is dispersed without any particles that are visible and have a diameter of 100 μm or more, negative for agglutination reaction with lectin, and a Bacillus Calmette-Guerin cell wall skeleton is encapsulated in an oil, and the particle diameter of an oil droplet is 100 μm or less, which emulsion is obtained by the following steps:
- (a) stirring a mixture of a Bacillus Calmette-Guerin cell wall skeleton, an oil, and an organic solvent to disperse the Bacillus Calmette-Guerin cell wall skeleton in the mixture;
- (b) evaporating off the organic solvent to form an oil wherein the Bacillus Calmette-Guerin cell wall skeleton is homogeneously dispersed, or an oil droplet wherein the Bacillus Calmette-Guerin cell wall skeleton is encapsulated in the oil; and then,
- (c) adding an aqueous solution containing a surfactant thereto, and emulsifying the mixture.
- 28. (New) The oil-in-water emulsion of claim 27, wherein the organic solvent is ethanol or toluene.

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29. (New) The oil-in-water emulsion of claim $27\ \mathrm{or}\ 28,$ wherein the oil is squalane.